A REVIEW ABOUT DIPHOTERINE® THE SOLUTION FOR EMERGENCY DECONTAMINATION OF CHEMICAL SPLASHES

L. Mathieu[1], Health and safety department[2], J. Nehles[3], H. Uellner[4], M. Girard[5], [1]PREVOR Laboratory, Valmondois, France; [2]AVESTA Sheffield AB, Sweden; [3]MANNESMANN, Remscheid, Germany; [4]MARTINSWERK, Bergheim, Germany; [5]RHONE-POULENC, La Rochelle, France

The diverse range of chemicals currently being used throughout industry present a significant potential hazard to health when personnel become contaminated as a result of accidental splashes. The need to use a polyvalent and active rinsing solution becomes more and more necessary.
Diphotérine®[1] is a non toxic and emergency first aid rinsing solution for eye/skin chemical splashes made by PREVOR Laboratory. Using its physical and chemical properties, Diphotérine® is able to stop and absorb the aggressiveness of a wide spectrum of chemicals. The emergency use of Diphotérine® will avoid any sequelae.
Here we present the results obtained with the emergency use of Diphotérine® in French, German and Swedish industries on about 300 cases of corrosive splashes such as concentrated sodium hydroxide or sulfuric acid. Using Diphotérine® as a first aid rinsing solution allows to minimise or suppress secondary care, loss of work and completely avoids the sequelae for exposed workers. A statistical study compared the rinsing with water and Diphotérine® and showed significant difference ($p<0.05$) in favour of Diphotérine® in terms of safety and reliability of the first aid rinsing.
Diphotérine® is an efficient alternative for the emergency decontamination of ocular and cutaneous chemical splashes.

References

[1] Langefeld-S; Blomet-J; Mathieu-L; Schrage-N; Kompa-S; Tympner-J (1999) Toxicology Letters 109/Suppl 1 97-98

Keywords
Diphotérine, chemical, burn